

HUNGARY / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Bioli, No. 10, 1958, No 46752

Abstract : decrease (it decreased, however, in muscular tissue). Hexokinase activity of the brain rose from 3.34 plus/minus 0.08 mg/kg to 4.05 plus/minus 0.08 mg/kg during the period of 5 minutes and the average hourly consumption of O<sub>2</sub> rose from 2.42 to 2.65 ml/mg. According to data available, in literature, the consumption of hexokinase in arterial hypoxia decreases in the same proportion as the consumption of O<sub>2</sub>. Thus, biochemical changes in the brain cannot be ascribed solely to anoxia during shock, for apparently other changes are involved as well.

Card 2/2

HARSING, L.; BIRO, J.; FONYO, A.; DANIEL, F.

Effect of hypertonic solutions on renal blood flow and glomerular filtration rate. Acta physiol. hung. 12 no.4:341-349 1957.

1. Institute of Physiology, Medical University, Budapest.

(HYPERTONIC SOLUTIONS, eff.

on renal blood flow & glomerular filtration rate in dogs.)

(KIDNEYS, physiol.

eff. of hypertonic solutions on renal blood flow & glomerular filtration rate in dogs.)

KOVACH, A.G.B.; FONYO, A.; HALMAGYI, M.

Acetylcholine content of the brain in traumatic shock. Acta physiol.  
hung. 13 no.1:1-4 1957.

1. Institute of Physiology, Medical University, Budapest.  
(SHOCK, exper.  
eff. on brain acetylcholine content in rats)  
(ACETYLCHOLINE, determ.  
in brain following shock in rats)  
(BRAIN, physiol.  
eff. of shock on acetylcholine content in rats)

KOVACH, A.G.B.; PONYO, A.; KOVACH, E.

Creatine phosphate resynthesis after electric stimulation of the brain of rats in shock. Acta physiol. hung. 14 no.3:309-310 1958.

1. Institute of Physiology, Medical University, Budapest.

(BRAIN, physiol.

resynthesis of phosphocreatine in brain after electric stimulation of brain of rats in shock)

(SHOCK, exper.

same)

(COENZYMES, metab.

phosphocreatine resynthesis in brain after electric stimulation of brain of rats in shock)

FONYO, A.; SOMOGYI, J.

The phosphorylation of adenosine diphosphate and glucose in isolated brain mitochondria at different osmotic concentrations. Acta physiol.hung. 18 no.3:191-198 '60.

1. Experimental Research Laboratory, Medical University, Budapest.  
(ADENOSINE PHOSPHATES metab)  
(GLUCOSE metab)  
(BRAIN metab)

FONYO, Anna

Budgeting of basic organizations. Munka 11 no.9:11 S '61.

1. Szakszervezetek Országos Tanácsa fokonyvelosegenek munkatarsa.

(Hungary--Trade unions) (Hungary--Budget)

FONYO, A.; SOMOGYI, J.

Respiratory control in brain mitochondria. Acta physiol. acad. sci.  
hung. 21 no.4:285-293 '62.

1. Experimental Research Department, Medical University, Budapest.  
(MITOCHONDRIA) (ENERGY METABOLISM) (ADENOSINE TRIPHOSPHATE)  
(ADENINE NUCLEOTIDES) (NAD) (ADENOSINE TRIPHOSPHATASE)  
(HEXOKINASE) (GLUCOSE) (NITROPHENOLS) (BRAIN)

SOMOGYI, J.; FONYO, A.; VINCZE, I.

Preparation of brain mitochondria. Acta physiol. acad. sci. hung. 21  
no.4:295-300 '62.

1. Experimental Research Department, Medical University, Budapest.  
(MITOCHONDRIA) (ENERGY METABOLISM) (ADENOSINE TRIPHOSPHATE)  
(ADENOSINE TRIPHOSPHATE) (NAD) (EDATHAMIL)  
(HEXOKINASE) (GLUCOSE) (NITROPHENOLS) (BRAIN)

FRANZ, A.G.B.; NYIRÓ, A.

Incorporation of  $^{32}\text{P}$  into the rabbit brain during traumatic shock. Acta physiol. Acad. sci. Hung. 27 no.1:27-37 1965

1. Experimental Research Department, University Medical School, Budapest.

HUNGARY

PANOV, A., N., FONYO, A.; Pavlov Institute of Physiology [original language version not given], Leningrad, USSR, and Medical University of Budapest, Laboratory of Experimental Research of the Outer Surgical Clinics (Orvostudományi Egyetem, Kulso Muteti Klinikak Kiserleti Kutato Laboratoriuma), Budapest.

"Effect of Corticosteroid Hormones on Rat-Brain Mitochondrial NADH-Oxidase."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXX, No 1, 1966, pages 7-13.

Abstract: [English article, authors' English summary modified] The effect of three corticosteroid hormones (hydrocortisone, cortisone and desoxycorticosterone) was studied on the NADH-oxidase of rat brain and rat heart mitochondria. The mitochondrial NADH-oxidase was inhibited by all three hormones but there was a quantitative difference in their action. No difference was found between brain and heart mitochondria in their sensitivity to steroids. 2 Eastern European, 13 Western references. [Manuscript received 24 Aug 65.]

L 43888-66

ACC NR: AT6032345

SOURCE CODE: HU/2505/65/027/001/0027/0031

AUTHOR: Kovach, Arisztid G. B.; Panyo, Attila

ORG: Experimental Research Laboratory, Medical University of Budapest, Budapest  
(Budapesti Orvostudományi Egyetem, Kísérleti Kutató Laboratorium)

40  
B-1

TITLE: Incorporation of P sup 32 into the brain of rats during traumatic shock

22

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 1, 1965, 27-31

TOPIC TAGS: phosphorous, radioisotope, brain, rat, phosphate, blood circulation, biochemistry

ABSTRACT: The incorporation of subarachnoidally injected P<sup>32</sup> into the high-energy phosphate compounds of the brain has been studied. The rates of incorporation were compared in normal rats and in rats in different phases of traumatic shock induced by freezing the limbs. The rate of P<sup>32</sup> uptake decreased parallel to the increase in the severity of the shock. The uptake was enhanced although not restored to normal after improvement of the circulation by the infusion of an isotonic NaCl solution. The decrease in P<sup>32</sup> incorporation is due partly to the deterioration of circulation and partly to the systemic biochemical damage associated with shock. The authors thank Mr. J. T. Liptak for the statistical analysis, as well as Mr. Gy. Szilassy and Mrs. S. Lipot for valuable technical assistance. Orig. art. has: 2 tables. /Orig. art. in Eng. / [JPRS]

SUB CODE: 06 / SUBM DATE: 21Dec63 / ORIG REF: 001 / OTH REF: 005

Card 1/1

0919 2397

COUNTRY	: Hungary	
CATEGORY	:	H-28
ABS. JOUR.	: RZKhim., No. 16 1959, No.	58825
AUTHOR	: <u>Ponyo, I.</u>	
INST.	: Not given	
TITLE	: The Exposition of New Equipment for the Food Industry	
ORIG. PUB.	: Elelm Ipar, 13, No 2, 56-64 (1959)	
ABSTRACT	: No abstract.	

CARD: 1/1

348

FOHKO, Istvan

A food-industry innovation fair. Elelm ipar 13 no.2:56-64  
F '59.

1. Elelmezesugyi Miniszterium.

FONYO, Istvan; BALLA, Ferenc; VUKOV, Konstantin; KISS, Jeno

Cooperation in the field of scientific research between the states of the Council for Mutual Economic Assistance. Elelm ipar 14 no.2:33-36 F '60.

1. Elelm~~es~~esugyi Miniszterium (for Fonyo). 2. Konzerv- es Paprikaipari Kutato Intezet (for Balla). 3. Cukoripari Kutato Intezet (for Vukov). 4. Orszagos Tervhivatal (for Kiss).

FONYO, Janos, dr.

Combined surgical and Fungifen therapy of onychomycosis, leukonychia, mycoses of recesses and mycotic paronychia. Orv. hetil. 103 no.24: 1135-1137 17 Je '62.

1. Budai Jarasi Tanacs, Erdi Szakorvosi Rendelointezet is Budapest  
Fovarosi Tanacs, ~~X. kőr.~~ Szakorvosi Rendelointezet, Sebészeti Osztaly.

(FUNGICIDES ther) (NAILS dis)

PCNYCDI, A.

Economy in the use of materials  
in the Budafok Enamel Factory.

p. 15.

TOBTERMELES. (Uzemi Tervgazdasagi  
es Szervezesi Tudomanyos Egyesulet)  
Budapest.

Vol. 10, no. 4, Apr. 1956.

SOURCES: EEAL - LC Oct. 1956. Vol 5 No. 10

CONCOM, Foreney PANSCOFAR, Bureau

Advantage of the system of the freightage collection. Vacat 14  
no. 6429-30 Je '64.

FOGYÓD, L. CA 11C

The action of *p*-aminobenzoic acid on the resistance of bacteria. A. Illényi and L. Fogyódi (Péter-Pázmány Univ., Budapest): *Z. Immunol.* 109, 331-6(1946).

—Added to cultures of *S. typhimurium* aureus in ordinary broth, *p*-aminobenzoic acid increases resistance to the bactericidal action of HCl. This fact cannot be applied collectively to all bacteria. Neg. results were obtained with colou, prodigious, anthrax, and other organisms. However, for bacteria grown in synthetic medium, *p*-aminobenzoic acid increases the resistance of *B. coli* to HCl and of *B. pumilus* to HClO.

—Julian H. Lewis

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

MISKOIGZY GEZA, Dr.; FONYODI LAJOS, Dr.

Autonomic diagnostic and serum cation examinations in premenstrual tension. Orv. hetil. 98 no.34:922-925 25 Aug 57.

1. A MAV Korhas es Kozponti Redenol I. sz. Nagygyaszati Rendelojenek es Laboratoriumanak Kozlemenye.

(PREMENSTRUAL TENSION, physiol.

autonomic ~~NS~~ funct. & blood cation level (Hun))

(AUTONOMIC NERVOUS SYSTEM, funct. tests

in premenstrual tension (Hun))

(IONS, in blood

cation level in premenstrual tension (Hun))

TOTH, Jozsef, Dr.; VAJDA, Gyula, Dr.; FONYODI, Lajos, Dr.

Nocturnal paroxysmal hemoglobinuria: Marchiafava-Micheli syndrome.  
Orv. hetil. 99 no.1:31-34 5 Jan 58.

I. A MAV. Korhas es Kozponti Rendelointezet (igazgato: Ob Lajos dr.)  
II. sz. Belosztalyanak (foorvos: Toth Jozsef dr.) es Laboratoriumanak  
(foorvos: Gorecsky Laszlo dr.) kozlemeny.  
(HEMOGLOBINURIA, PAROXYSMAL, case reports  
(Hum))

VAJDA, Gyula; FONYODI, Lajos

Alkaline phosphatase activity of leukocytes in phagocytosis.  
Kiserletes Orvostud. 11 no.5:505-506 0 '59.

1. MAV-Korhaz es Kozponti Rendelointezet Laboratorium.  
(PHOSPHATASES blood)  
(LEUKOCYTES chem)  
(PHAGOCYTOSIS)

VAJDA, Gyorgy, dr.; THUROCZY, Zsuzsa, dr. FONYODI, Lajos, dr.

Serum cholestrol tests in angina pectoris. Orv. hetil. 105  
no.12:553-556 22 Mr'64.

1. MAV Korhaz vs Kozponti Rendelointezet.

\*

KISFALVI, Istvan, dr.; PONYODI, Lajos, dr.

Hyperbilirubemia in cardiac decompensation. *Orv. hetil.* 106  
no.2:1021-1023 30 My'65.

1. Mav Korhaz, I. Belosztaly es Kozponti Laboratorium.

HARSING, László; JELLINEK, Harry; KOVÉR, György; LASZLO, Katalin;  
VEGHELYI, Péter; FONYODI, Sarolta.

Effects of hypothermia on ischemic kidney lesions. Kísérletes  
orvostud. 8 no.1:85-92 1956.

1. Budapesti Orvostudományi Egyetem Belsőti Intézete, II. sz.  
Koronctári Intézete és I. sz. Gyermekklinika.

(KIDNEYS, blood supply

ischemia, exper., prev. of consequent fatal lesions  
by hypothermia in dogs (Hun))

(BODY TEMPERATURE

hypothermia, controlled, in prev. of fatal kidney  
lesions after exper. ischemia of kidneys in dogs (Hun))

HARSING, L.; JELLINEK, H.; KOVER, Gy.; LASZLO, K.; VEGHELYI, P.;

~~TONYODY, S.~~

The effect of hypothermia on ischaemic changes in the kidney.  
Acta physiol. hung. 10 no.2-4:4:9-436 1956.

1. Institute of Physiology 2nd Institute of Pathology and 1st  
Department of Pediatrics, University Medical School, Budapest.

(HYPOTHERMIA, exper.

eff. on exper. ischemic changes in dog kidneys.)

(KIDNEYS, blood supply

ischemia, exper., eff. of exper. hypothermia on ischemic  
changes in dogs)

HUNGARY/Human and Animal Physiology - Excretion.

V-6

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18265

Author : Laszlo Harsing, Sarolta Foryodi, Katalin Laszlo and Takacs Gyorgy.

Inst : -

Title : The Effect of Perfusion With Hypertonic Solutions on Renal Hemodynamics.

Orig Pub : Kiserl. orvostud., 1957, 9, No 2, 197-205

Abstract : Osmotic diuresis was produced in dogs by perfusing hypertonic solutions into the left renal artery. With this procedure renal blood flow and glomerular filtration decreased only in the left kidney, a fact which indicates that an intrarenal change in kidney clearance takes place. A negative correlation was established between an increase in diuresis and a reduction in glomerular filtration. The same results, obtained after decapsulation of the kidney, in particular the changes in resistance in the afferent

Card 1/2

HUNGARY/Human and Animal Physiology - Excretion.

V-6

Abs Jour : Ref Zhur - Biol., No 4, 1958, 18265

and efferent vessels of the glomeruli and the lack of a connection between the reduction in glomerular filtration and the osmotic concentration of the plasma, show that neither a change in intrarenal pressure nor an increase in the osmotic concentration of the plasma plays the decisive role in reducing renal blood flow and glomerular filtration in the case of osmotic diuresis.

Card 2/2

HARSING, L.; PONYODI, S.; KABAT, M.; KOVER, Gy.

Effect of phlorizin and of mercurial diuretics on renal hemodynamics.  
Acta physiol. hung. 12 no.4:363-371 1957.

1. Institute of Physiology, Medical University, Budapest.

(PHLORIZIN, eff.

on renal hemodynamics in dogs)

(DIURETICS, MERCURIAL, eff.

same)

(KIDNEYS, eff. of drugs on

mercurial diuretics & phlorizin on hemodynamics in dogs)

EGEDY, E.; STEKKER, K.; FUREDI, Erzsebet; FONYODI, Sarolta

Renal insufficiency after surgery in severe liver, biliary and pancreatic diseases. Acta chir. acad. sci. hung. 3 no.4:343-354 '62.

I. I Chirurgische Klinik (Direktor: Prof. Dr. Dr. h.c. E. Hedri)  
und II Pathologisches Institut (Direktor: Prof. Dr. L. Haranghy)  
der Medizinischen Universität Budapest.

(LIVER DISEASES) (PANCREAS) (BILIARY TRACT)  
(JAUNDICE) (ACUTE RENAL FAILURE) (ANURIA)

VALLENT, K.; STEKKER, K.; FONYODI, S.

On the effect of heparin therapy on the serum protein fractions and the qualitative blood picture in postoperative septic conditions. Acta chir. acad. sci. Hung. 6 no.2:165-172 '65.

I. I. Chirurgische Klinik (Direktor: Prof. Dr. P. Rubanyi) der Medizinischen Universität, Budapest.

HERBERT

MORVASH, Juszit, S.; FONYODI, Tivadar; Capital City László Hospital,  
Central Laboratory (Fovarosí László Korház, Központi Laboratórium)

"New Indicator for the Mercurimetric Chloride Determination in Bio-  
logical Fluids."

Budapest, Kiserletes Orvostudomány, Vol XIV, No 6, 1962, pp 665-668.

Abstract: [Authors' summary modified] The advantage of this method over  
the more generally used Volhard Mohr method is the elimination of  
deproteinization, filtering, cooking. It is fast, accurate and not  
light sensitive. No interference is found by ions present in the  
fluid with the potassium iodate endpoint. The described mercuri-  
metric method is suitable for serum, liquor and urine chloride de-  
terminations. If one considers the chemical reaction, this method  
is more realistic and the results are closer to actual values- ac-  
cording to the authors.

[3 Soviet-bloc, 3 western references]

1/1

FONYODI, Tivadar,

OSAPÓ, Jozsef

HUNGARY

MD

Joint report by the Laszlo Hospital (Director: Jozsef ROMAN, MD), Budapest and the 'Human' Vaccine Producing and Research Institute ('Human' *Oltoanyagtermele es Kutato Intezet*) (Director: Gabor VERES, MD.)

Budapest, Gyermekgyógyászati, No 10, Oct 62, pp 289-292.

"The Effect and Application of Gamma Globulin in the Prevention Hepatitis."

Co-authors:

JAKICS, Jozsef, MD.  
FONYODI, Tivadar, MD.  
RICHTER, Peter, MD.  
TOTH, Istvan, MD.

CSAPO, Jozsef, dr.; JAKICS, Jozsef, dr.; FONYODI, Tivadar, dr.; RICHTER, Peter, dr.; TOTH, Istvan, dr.

The action and application of gamma globulin in the prophylaxis against infectious hepatitis. Gyermekgyogyaszat no.10:289-292 '62.

1. A Budapesti Laszlo Korhaz (Igazgato: Roman Jozsef dr.) es a "Human" Oltoanyagtermelo es Kutato Intezet (Igazgato: Veres Gabor dr.).  
(HEPATITIS, INFECTIOUS) (GAMMA GLOBULIN)  
(MENTAL DEFICIENCY)

S. HORVATH, Judit; FONYODI, Tivadar

New indication of mercurimetric determination of chlorides in biological solutions. Kiserl. orvostud. 14 no.6:666-667 D '62.

1. Fovarosí Laszlo Korház, Kozponti Laboratorium.  
(CHLORIDES) (CEREBROSPINAL FLUID) (MERCURY)

VEGHELYI, Peter, dr.; HARSING, Laszlo, dr.; KABAT, Maria; KOVNER, Gyorgy;  
FONYODY, Lajosné, dr., technikai segitsegevel.

Hypothermia and hibernation. III. Renal function in hypothermia.  
Orv. hetil. 96 no.1:14-15 2 Jan 55.

1. A Budapesti Orvostudományi Egyetem I. Gyermekklinika-jának  
(igazgató: Gegesi-Kiss, Pal dr. egyetemi tanár) és Klettani  
Intézetének (igazgató: Balint, Peter dr. egyetemi tanár)  
közleménye.

(BODY TEMPERATURE,

hypothermia, kidney funct. tests in dogs.)

(KIDNEY FUNCTION TESTS,

in hypothermia in dogs.)

HEVER, Odon, dr.; FONYODI, Tivadar, dr.

Examination of serum aldolase and transaminase in tuberculous patients.  
Tuberkulózis 15 no.1:26-28 Ja '62.

1. Az Allami Fodor Jozsef Tbc Gyogyintezet es Budapest Fovarosi Tanacs  
Laszlo korhaza kozlemenye.

(TUBERCULOSIS blood) (TRANSAMINASES blood)  
(ALDOLASE blood)

Fopp, A.

2017

631.312.021.4

Fopp A. Construction of Plough Frames.

"Budowa korpusu w pluga". Mechanizacja i Elektryfikacja Rolnictwa. No. 2, 1953, pp. 29-33, 0 figs., 3 tabs.

A short survey of the theory of moldboard shapes. Scheme for a numerical presentation of the shape of the plough bottom working surface obtained by applying a method of intersections between a series of parallel horizontal planes and a series of vertical planes; the characteristic points of specific intersecting lines are transferred to a tridimensional coordinate axis (X, Y, Z). Instructions are given for constructing a wooden model for shaping moldboards, based on data relating to the values of specific points on the tridimensional coordinate axis X, Y, Z, assuming that the point of the share coincides with the point of intersection of the coordinate axes. Modification of the coordinates referred to, consisting of revolving in a horizontal plane until one of the axes coincides with the edge of the share. Details of the construction of a model for shaping moldboards and the necessity and methods of constructing standards for checking the curvature of the working surface of the moldboard. Construction of moldboard presses and moldboard cutting machines; some constructional details of cutting presses. A method for constructing a standard plough bottom and a standard frame.

FORAFONOV, Nikolay Kuz'mich, kandidat tekhnicheskikh nauk; BILINSKIY, M.Ya,  
redaktor; OSTRIROV, N.S., tekhnicheskiy redaktor.

[Painting] Maliarnye raboty. Izd. 2-e, perer.i dop. Moskva, Vses.  
uchebno-pedagog.izd-vo Trudrezervizdat, 1954. 239 p. (MIRA 8:4)  
(House painting)

*FORAFONOV, N.K.*

DOBROTORSKIY, B.N., kandidat tekhnicheskikh nauk; FORAFONOV, N.K.,  
kandidat tekhnicheskikh nauk; MUNITS, A.P., redaktor izdatel'stva;  
BOROVNEV, N.K., tekhnicheskii redaktor

[Tentative instructions for erecting apartment houses and public  
buildings with large concrete blocks] Vremennye ukazaniia po voz-  
vedeniiu zhilykh i grazhdanskikh zdaniy iz krupnykh betonnykh blokov.  
Moskva, Gos. izd-vo lit-ry po stroit. i arkhitektura, 1956. 67 p.

(MIRA 10:1)

1. Akademiya stroitel'stva i arkhitektury SSSR. Nauchno-issledovatel'-  
skiy institut organizatsii i mekhanizatsii stroitel'stva. 2. Nauchno-  
issledovatel'skiy institut organizatsii i mekhanizatsii stroitel'stva  
Akademii stroitel'stva i arkhitektury SSSR (for Dobrotvorskii, Forafonov)  
(Precast concrete construction)

SOFINSKIY, I.D.; BLOKHIN, P.N.; GEL'BERG, L.A.; ZHDANOV, P.M.; IVASHCHENKO, I.P.; LEVINA, G.P.; NAUMOVA, N.A.; SMIRNOV, N.S.; ARONOVA, R.I.; NIKOLAYEV, N.A.; SHERETSIS, A.A.; KOVALEVSKIY, I.I.; LOBACHEV, P.V.; SLADKOV, S.P.; DZIGAN, A.V.; ~~FORAKONOV, N.K.~~ Primalni uchastiye: ARGANSKIY, A.S.; ASMUS, Ye.N.; BRZHALOVA, Ye.M.; BOGATYKH, Ya.D.; BURENIN, V.A.; GOL'DING, N.P.; DOMSHLAK, I.P.; MOSKALEV, S.A.; RABINOVICH, S.G.; ROGOVSKIY, L.V.; KHOKHLOVA, L.P.; SHESTOPAL, N.M.; RUBANENKO, B.R., glavnyy red.; GALKIN, Ya.G., zamest.glavnogo red.; SAPRYKIN, V.A., red.; SHCHEPETOV, V.M., red.; NOVITCHENKO, K.M., nauchnyy red.; VILKOV, G.N., inzh., red.izd-va; TYAPKIN, B.G., red. izd-va; KL'KINA, E.M., tekhn.red.

[Building your own home] Spravochnik individual'nogo zastroishchika. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1958. 442 p. (MIRA 12:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. (Building)

FORAFONOV, N.N.

Experimental intracardiac surgery on a heart excluded from the  
blood circulation. Khirurgia no.8:77 Ag. '55. (MLRA 9:2)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii  
Ryazanskogo meditsinskogo instituta imeni I.P. Pavlova.  
(HEART--SURGERY)

FORAFONOV, N.N.

USSR/Morphology of Man and Animals.- (Normal and Pathologic).  
Circulatory System.

S-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12450

Author : Forafonov, N.N.

Inst : -

Title : Intravenous Obturation of the Great Veins in Cardiac  
Surgery (an Experimental Study).

Orig Pub : Vestn. khirurgii, 1956, 77, No 3, 26-29

Abstract : A proposed method of intravenously introducing a rubber  
obturator-balloon, which on inflation obliterates the os-  
tea of the great veins, simplifies intracardiac surgery  
because of a resulting slowed rhythm and weakened contrac-  
tions. The experiment was performed on 20 dogs; the  
hearts were shut off once for 10-36 min., or repeatedly  
for 2-3 min. The possibility of using this method on pa-  
tients was tested on 30 cadavers.

Card 1/1

YUDIN, Yefrem Markovich; FORAFONTOV, A.V., kand. tekhn. nauk,  
retsenzent; GRIGORASH, K.I., red.

[Gear pumps; their basic parameters and design] Shesteren-  
nye nasosy; osnovnye parametry i ikh raschet. Izd.2., pe-  
rer. i dop. Moskva, Mashinostroenie, 1964. 235 p.  
(MIRA 17:6)

PROCESSES AND PROPERTIES INDEX

FORAFONTOV, N.V. 8

1978

CONVERSION LINES OF RaC'. V. M. Serebrinskaya, N. V. Forafontov, and V. S. Shpigel'. Zhur. Ekspit'. 1

Teoret. Fiz. 20, 573-4(1950) June. (Letter to the editor; in Russian)

In a series of works, Letyshov et al. (e.g., Doklady Akad. Nauk S.S.S.R. 63, 811(1946); NSA 3-1030) have described a much increased line of internal conversion of the quantum 1414 bev on the K shell of RaC'. Bashilov et al. (Doklady Akad. Nauk S.S.S.R. 79, 793(1960); NSA 4-3600), working with a better  $\beta$  spectrometer, did not observe any such fine structure. The same negative result was obtained by the present authors, who used an instrument of high resolving power, involving a heterogeneous magnetic field of axial symmetry, constructed by one of the authors (Shpigel', Doklady Akad. Nauk S.S.S.R. 53, 801(1946)).

A.S.B.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

ALPHABETIC INDEX

AND NUMERICAL INDEX



USSR/Nuclear Physics - Radioactive Radiation Dec 51

"Investigation of Radioactive Radiation of Ir<sup>192</sup>, Ag<sup>110</sup> and In<sup>114</sup>", V. S. Shpinel, N. V. Forafontov, Moscow State U.

"Zhur Ekspier 1 Teoret Fiz" Vol XXI, No 12 pp 1376-1383

Studied spectrum of photoelectrons of Ir<sup>192</sup> on spectrometer with transversal inhomogeneous magnetic field of axial symmetry. Measured energy values of complex gamma-radiation of Ir<sup>192</sup> basically agree with data by others, obtained by conversion 198192

USSR/Nuclear Physics - Radioactive Radiation (Contd) Dec 51

electrons. Intensity values of these gamma-rays do not agree with the decay scheme by J. M. Cork et al. (Phys Rev, 72, 1947). Investigated beta- spectra and spectra of conversion electrons Ag<sup>110</sup> and In<sup>114</sup>. Authors thank M. A. Averbukh, I. D. Berkutova and V. S. Shulepin for help. Submitted 10 Feb 51.

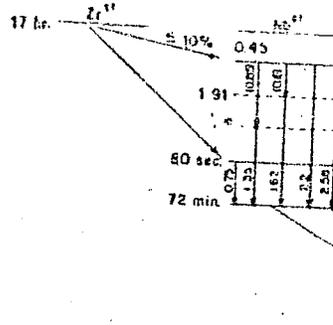
FORAFONTOV, N. V.

198192

*19*  
 Decay scheme of zirconium-97 and niobium-97  
 Delvagin, A. A. Sorokin, N. V. [unclear]  
 Zhurnal tekh. fiz. [unclear]  
 13-24 (1969) — Spectra were measured on a gamma  
 spectrometer with a NaI(Tl) crystal. The gamma  
 radiation was measured by the method of coincidence  
 measurements by using 2 NaI(Tl) crystals. The results were  
 obtained by replacing a NaI(Tl) crystal with another one.  
 The results are summarized in a decay scheme containing new  
 levels for Nb<sup>97</sup>.

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S. Pakswar

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1-CRA For: Gov, N. M.

17 19  
Decay scheme for zirconium-97 and niobium-97. N. M. Ushakov, A. A. Serebin, S. V. Koshchakov, and V. S. Shubal (Moscow State University). Nuclear Phys. Z. 98: 708(1966/5). See L.A. 57, 58, 59. R. W. Fink

*[Handwritten signature]*

Forafontov, N. V.

48-12-7/15

AUTHORS: Parfenova, V. P. , Forafontov, N. V. , Sapinel', V. S.

TITLE: Investigation of the  $Ce^{144}$ -Decay According to the Method of  $\beta$ - $\gamma$ -Coincidence (Issledovaniye raspada  $Ce^{144}$  metodom  $\beta$ - $\gamma$ -sovpadeniy)

PERIODICAL: Izvestiya AN SSSR, Seriya Fizicheskaya, 1957, Vol. 21, Nr 12, pp. 1601 - 1606 (USSR)

ABSTRACT: The method of the  $\beta$ - $\gamma$ -coincidence was here employed for determining the  $\beta$ -transitions of small intensity. When this method is employed the partial- $\beta$ -spectra occur more distinctly, as the  $\beta$ -particles of the  $Ce^{144}$ -transition in the original  $Pr^{144}$ -state, as well as the  $\beta$ -transitions of  $Pr^{144}$  which render the deciphering of the primary  $\beta$ -spectrum difficult are not recorded in such measurements. The measurements were performed by means of the apparatus, exactly described in references 6 and 7, consisting of a two-lens- $\beta$ -spectrometer and a luminescence- $\gamma$ -spectrometer. But some modifications were made: The inner coils were abandoned, according to reference 8 a diaphragm was inserted in the domain of the ring-image, and the light-conductor of plexiglass was replaced by one of polystyrene. It is shown here that the  $\beta$ -spectra of the coincidence with three different ranges of the  $\gamma$ -spectrum are complicated. The  $\beta$ -spectrum ( $E_{\beta} = 310$  keV) drops out of these  $\beta$ -spectra. This due<sup>4</sup> to the

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Investigation of the  $Ce^{144}$ -Decay According to the Method of  $\beta$ - $\gamma$ -Coincidence 48-12-7/15

transition to the original  $Pr^{144}$ -state (isomeric levels were not determined). On the basis of the observed  $\beta$ - $\gamma$ -cascades may be concluded that the  $\beta$ -transitions  $\beta_3$  ( $E_{\beta \max} = 230$  keV) and  $\beta_3$  ( $E_{\beta \max} = 175$  keV) excite the  $Pr^{144}$ -levels with an energy of 80 and 134 keV respectively. The  $\beta_1$ -spectrum ( $E_{\beta \max} = 130$  keV) was determined according to the break of the straight line which occurs in all rectified diagrams. It is shown that the  $\beta$ -spectrum  $\beta_1$  ( $E_{\beta \max} = 130$  keV) actually exists. The presence of a softer (than 175 keV)  $\beta$ -spectrum indicates the existence of an excited level of the nucleus  $Pr^{144}$  which lies higher than the 134 keV-level. In his work the author was assisted by Z. I. Anan'yeva, Diplomantka (diplomantka is a woman who works on a thesis). There are 6 figures, 5 tables, and 10 references, 4 of which are Slavic.

AVAILABLE: Library of Congress

Card 2/2

21(8)

## AUTHORS:

Forafontov, N. V., Sorokin, A. A.

SOV/56-36-1-54/62

## TITLE:

On the Problem of the Scheme of the Decay of  $Ce^{144}$  (K voprosu o skheme raspada  $Ce^{144}$ )

## PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 1, pp 330-331 (USSR)

## ABSTRACT:

For the purpose of further precisizing the decay scheme of  $Ce^{144}$ , the authors carried out measurements of  $\gamma$ - $\gamma$ -coincidences and of  $e^-$ - $\gamma$ -coincidences. The  $\gamma$ - $\gamma$ -coincidences were measured by means of a luminescence spectrometer for coincidences. A diagram shows the spectrum of  $Ce^{144}$  and the spectrum for coincidences with  $\gamma$ -rays within the range of 80 keV. The spectrum of coincidences contains peaks which correspond to the energies of X-ray radiation of Pr and to  $\gamma$ -rays of an energy of  $\sim 53$  keV. The  $\sim 46$  keV peak observed in the spectrum of coincidences corresponds to the Compton (Kompton)-electrons originating from the 134 keV  $\gamma$ -rays and is caused by scattering from a crystal into a crystal. When adjusting the window of the analyzer to the 134 keV peak, it is not possible to detect any noticeable peaks in the spectrum of coincidences up to 80 keV. For the purpose

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On the Problem of the Scheme of the Decay of  $Ce^{144}$ 

SOV/56-36-1-54/62

of estimating the upper limit of the intensity of the suggested  $\gamma$ - $\gamma$ -cascade 11-143 keV, comparative measurements were carried out for  $Ce^{144}$  and  $Sm^{153}$ . The intensity of the  $\gamma$ -quanta in the cascade with the 134 keV line in  $Ce^{144}$  amounts at the utmost to the two thousand fivehundredth part ( $< 4 \cdot 10^{-4}$ ) in relation to the transition with 134 keV. This estimate is determined by the statistical accuracy of measurements. The lack of coincidences between the  $\gamma$ -quanta induced the authors to investigate the coincidences of the 134 keV quantum with the 35 keV conversion line to be observed in the primary  $\beta$ -spectrum (which was identified as L-conversion of the 41 keV transition). A diagram shows the part-section of the  $\beta$ -spectrum of coincidences with the 134 keV  $\gamma$ -line found by one of these measurements. According to these measurements the 41 L conversion line is identical with the 134 keV  $\gamma$ -line. All data obtained by the present paper agree with the decay scheme assumed by the author in one of his earlier papers (Ref 7), which also contains the level with 175 keV. In this connection it must be assumed that the transition with the energy of 41 keV was completely converted. For multiples of not less than E2 and

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On the Problem of the Scheme of the Decay of  $Ce^{144}$

SOV/56-36-1-54/62

even for E2 with an admixture of M1 the conversion coefficient is nearly equal to 1, which is in full agreement with the measurements of  $\gamma$ - $\beta$ - and  $e^{-}$ - $\beta$ -coincidences carried out by the authors. In conclusion, the authors thank A. G. Khudo-verdyan and L. P. Zherebtsova for assisting in carrying out the measurements. There are 2 figures and 9 references, 3 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: September 22, 1958

Card 3/3

BEDESKU, A.; KALINKINA, O.M.; SOROKIN, A.A.; FORAFONTOV, N.V.;  
SHPINEL', V.S.

Decay scheme of  $\text{Te}^{131m}$ . Zhur. eksp. i teor. fiz. 40 no.1:91-100  
Ja '61. (MIRA 14:6)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo  
universiteta.

(Tellurium—Decay)

01/4400

S/188/62/000/003/001/012  
B111/B112

AUTHORS: Vasilev, Ts. B., Forafontov, N. V., Shpinel', V. S.  
TITLE: Study of the decay types of  $Ce^{144}$  by the coincidence method  
PERIODICAL: Moscow Universitet. Vestnik. Seriya III. Fizika,  
astronomiya, no. 3, 1962, 3-16

TEXT: The decay types of  $Ce^{144}$  in an odd-odd  $Pr^{144}$  nucleus are studied by means of a  $\beta$ -spectrometer and a luminescence  $\beta(\gamma)$ -spectrometer in coincidence circuit, using  $\beta-e^-$ ,  $e^-e^-$  and  $e^--\gamma$  coincidences to explain certain problems. The results are in agreement with the decay scheme of I. S. Geiger et al. (Nucl. Phys., 16, 1, 1960). The  $\beta-e^-$  and  $e^-e^-$  coincidence measurements were performed both upon all electrons (total coincidences) and upon individual electron groups separated by a differential discriminator. The variants of the decay scheme can be examined by comparing the intensity of the conversion lines in the coincidence spectrum. The results from measuring  $\beta-e^-$  and  $e^-e^-$  coincidences are summarized in Fig. 1 and Fig. 2, those of  $\gamma-e^-$  and  $e^--\gamma$  coincidences in Fig. 4 and Fig. 5, discussed in detail for the individual

Card 1/2

Study of the decay types...

S/188/62/000/003/001/012  
B111/B112

conversion lines with the energies 24.5 keV (K-66), 27 keV (L-34), 30 keV (KLL - Auger electrons), 34.5 keV (L-41+KLL-Auger), 38 keV (L-80), 47 keV (L-53), 53 keV (L-59), 59 keV (M-59+K-100), 91 keV (K-134) and 106 keV (K-148+2). Conclusion: The low-intensity transitions include a  $140 \pm 2$ -keV transition. The new 147-keV transition leads to an additional level and the 34-keV transition does not lie in the cascade with the 134-keV transition. There are 6 figures and 3 tables.

ASSOCIATION: NIIYaF

SUBMITTED: May 8, 1961

Fig. 1: spectrum of  $\beta$ -e<sup>-</sup> e<sup>-</sup>-e<sup>-</sup> coincidences of Ce<sup>144</sup> in the range from 84 to 140 keV.

Legend: (1) channel number; (2) keV; (3) coincidences with electrons > 50 keV; (4) with electrons > 100 keV; (5) with electrons > 400 keV; (6) intensity; a) total coincidences; (7) with electrons > 240 keV.

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S/O48/62/026/012/014/016  
B117/B102AUTHORS: Kryukova, L. N., Murav'yeva, V. V., Forafontov, N. V., and Shpinel', V. S.TITLE:  $e^- \gamma$ -coincidences in the  $Pt^{188}$  decay

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 12, 1962, 1521 - 1522

TEXT: A double-ray  $\beta$ -spectrometer together with a luminescence  $\gamma$ -spectrometer was used to study the spectra of  $\gamma$ -rays coinciding with conversion electrons (L55, K140, K187 and K195). The results confirmed the decay scheme of the 10-d  $Pt^{188}$  proposed earlier (Nuclear Data Sheets, no. 3 (1959)).  $\gamma$ -rays of 140, 380 and 410 keV as well as K-series of X-rays coincide with L55. The intensities of these K-series confirm that no K-captures take place up to the 55, 437 and 473 keV levels of  $Ir^{188}$ . K195 electrons play the main part in the coincidence between the neighboring lines K187, K195 and the 280 keV  $\gamma$ -rays. The non-coincidence 187 and 195 keV-quanta coincide with the X-ray K-series. The coincidence between K140 electrons and 280-keV  $\gamma$ -quanta verifies the existence of a

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e<sup>-</sup>γ-coincidences in ...

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B117/B102

cascade between 140 and 280 kev. The analysis of coincidence and non-coincidence γ-spectra of Pt<sup>188</sup> served to determine relative intensities of the γ-lines. Comparison between the γ-intensities and the intensities of the conversion lines resulted in the following ratio of K-shell conversion coefficients: α<sub>K140</sub>:α<sub>K187</sub>:α<sub>K195</sub>:α<sub>K280</sub>:α<sub>L380</sub>:α<sub>K410</sub>:α<sub>K470</sub> = 0.5:1:1:(≤0.1):(≤0.03):(≤0.03):(≤0.05). This paper was presented at the 12th Annual Conference on Nuclear Spectroscopy in Leningrad from January 26 to February 2, 1962. There are 2 figures and 1 table.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gos. universiteta im. M. V. Lomonosova (Scientific Research Institute of Nuclear Physics of the Moscow State University imeni M. V. Lomonosov)

Card 2/2

ACCESSION NR: AP4010300

S/0048/64/028/001/0098/0101

AUTHOR: Kryukova, L.N.; Murav'yeva, V.V.; Forafontov, N.V.; Maly'sheva, T.V.; Khotin, BA

TITLE: Investigation of the decay schemes for platinum 189 and iridium 189 by the method of electron-gamma coincidences /Report, Thirteenth Annual Conference on Nuclear Spectroscopy held in Kiev 25 Jan to 2 Feb 1963/

SOURCE: AN SSSR. Izvestiya, Seriya fizicheskaya, v.28, no.1, 1964, 98-101

TOPIC TAGS: decay scheme, level diagram, platinum 189, iridium 189, conversion electron spectrum, electron gamma coincidence, conversion electron, platinum decay, iridium decay, platinum, iridium

ABSTRACT: The purpose of the investigation was to check, correct and amplify the decay schemes for platinum 189 and its daughter iridium 189. The Pt<sup>189</sup> was obtained by separation from the products of spallation of a gold target by 660-MeV protons. The study was carried out mainly by the method of recording e-γ coincidences. The conversion electron spectrum and some of the coincidence spectra are reproduced. While the results largely substantiate the scheme for Pt<sup>189</sup> proposed by B.Harmatz, T.H.Handley and J.W.Mihelich (Phys.Rev.128, 1186, 1962), a number of possible differences and discrepancies are noted. The experimental work was per-

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ACCESSION NR: AP4010300

formed prior to the publication of the paper by Harmatz et al.]. A level diagram for Ir<sup>189</sup> is given. Orig.art. has: 2 tables and 5 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Scientific Research Institute of Nuclear Physics, Moscow State University); Institut geokhimii i analiticheskoy khimii Akademii nauk SSSR (Institute of Geochemistry and Analytic Chemistry, Academy of Sciences SSSR)

SUBMITTED: 00

DATE ACQ: 10Feb64

ENCL: 00

SUB CODE: NS

NO REF SOV: 005

OTHER: 002

Card 2/2

FORAL, Antonin

New varieties and breeding of summer barley in some West European countries. Kvasny prum 11 no.3:54-55 Mr '65.

Research Institute of Grain, Kromeriz. Submitted December 9, 1964.

S/081/62/000/015/023/036  
B168/B101

AUTHORS: Navara, Jiří, Foral, Zdeněk

TITLE: A method of producing air-permeable low-density material from polyvinyl chloride

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 15, 1962, 551, abstract 15P143 (Czechoslovak Patent 96843, October 15, 1960)

TEXT: This method, which is being patented, is based on a nonpressure technique with polyethylene used as one component of the mixture. It ensures the formation of uniform pores, facilitates the formation of interconnected apertures and results in a reduction of the residual deformation in manufactured articles. A mixture of 100 parts by weight of polyvinyl chloride, 5 of PVC, dioctylphthalate, 50 of plasticizer ED-242 (phthalate of C<sub>6</sub> - C<sub>10</sub> alcohols), 4 of stabilizer, 10 of N,N-dinitrosopentamethylenetetramine as a pore former and 1 of glycerin is added to 10 parts by weight of polyethylene and is rolled at 120°C after plastification. The mixture is gelatinized and sheets 2-3 mm

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A method of producing air-...

S/081/62/000/015/023/038  
B168/B101

thick are formed. After cooling, it is granulated to between 2 · 2 and 5 · 5 mm size. The granules are filled into a metal mould which is heated in a drier for 30 min. at 170°C. In this way the material finally becomes gelatinized and evenly distributed. The product has a specific gravity of 0.2 and a water-absorptive capacity of 0.8 g/cm<sup>3</sup>. 30 min. after removal of a load applied for 72 hr and resulting in a 50% reduction in thickness, the residual deformation is 10%. By varying the quantity of polyethylene from 2 to 50 parts it is possible to regulate the homogeneity, pore size and elasticity of the product.  
[Abstracter's note: Complete translation.]

Card 2/2

S/081/62/000/013/046/054  
B156/B101

AUTHORS: Návára, Jiří, Foral, Zdeněk

TITLE: Soft porous polyvinyl chloride produced by the method of preliminary gelatinization

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 13, 1962, 608-609, abstract 13P36 (Kaučuk a plast. hmoty, no. 2, 1961, 52-56)

TEXT: A method of producing mild porous polyvinyl chloride (PVC) has been developed. This consists of foaming, and at the same time gelatinizing, a granulated and previously gelatinized mixture containing PVC, a plasticizing agent, a foaming agent and polyethylene, at 170-180°C in moulds without using pressure. The foaming agent used is dinitrosopentamethylene-tetramine and the following catalysts are introduced in order to lower its dissociation point from 190 to 160°C: benzoic acid, urea or glycerine. To ensure an open pore structure, paraffin, silon staple or polyethylene are added to the mixture. With this method, the raw material quality requirements are less rigid, standard equipment can be used, and foam PVC can be produced with a specific gravity of 0.2-0.11 g/cm<sup>3</sup>. [Abstracter's note: Complete translation.]

Card 1/1

FORBAI, Sandor, okl. banyamernok, tudományos munkatárs

Analytical testing of some ground breakings. (To be contd.)  
Bany lap 94 no.9:585-591 S '61.

1. Nehézipari Műszaki Egyetem, Banyaművelestani Tanszék, Miskolc.

PFEIFER, A.K.; PATAKY, I.; FORBATH, M.

Central regulation of the adrenaline-induced increase in metabolic rate. Acta physiol. hung. 4 no.1-2:71-82 1953. (CML 25:1)

1. Of the Institute of Pharmacology of Budapest University.

HUNGARY/Human and Animal Physiology - Internal Secretion.  
The Pancreas.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13012

Author : Forbath, M., Hetenyi, G.Jr.

Inst : Hungarian AS

Title : Influence of a Dosage of Fructose, Glycerin, and  
Pyrovic Acid on Pancreatic Diabetes

Orig Pub : Acta physiol. Acad. sci. hung., 1956, 9, Suppl., 20-21

Abstract : Intravenous injection of fructose or glycerin to depan-  
creatized narcotized dogs produced a decrease in the  
content of K and P in the plasma, an increase in O<sub>2</sub> con-  
sumption by the muscles, and did not influence the  
amount of amino acid nitrogen in the serum. Injection  
of sodium pyruvate did not affect the concentration of  
P in the plasma nor the O<sub>2</sub> consumption by the muscles,

Card 1/2

HUNGARY/Human and Animal Physiology - Internal Secretion.  
The Pancreas.

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413510019-7

Abs Jour : Ref Zhur Biol., No 3, 1959, 13012

but it depressed the amount of K in the plasma. --  
O.S. Frankfurt

Card 2/2

Action of dinitrophenol on the metabolism of the denervated muscle. B. Issekutz, Jr. G. Hollway, Jr. M. W. M. Mosonyi, M. Forbath. *J. Gen. Physiol.* 32:327-36 (1966) (in English).

was denervated 3 weeks prior to the experiment. Blood flow, O<sub>2</sub> uptake and P output were measured in the denervated (I) limb than in the innervated (II) one. Following 8 mg./kg. dinitrophenol, blood flow and O<sub>2</sub> uptake decreased less and lactic acid output was similar in I and II, but glucose uptake and P output were higher in II. Both ATP and glycogen contents were similar in I and II, but the rate of regeneration of AIF and the amount of AIF regenerated were higher in II than in I.

*Reed*

*Journal of Medicine*  
PETRI, Gabor; HETENYI, Gesa, Ifj.; ABRANDY, Endr.; CZIPOFF, Zoltan;  
FORBATH, Miklos

Regulatory phenomena in cross-circulation experiments for exsanguination of the heart. *Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl.* 8 no.1-2:154-156 1957.

1. A Szegedi Orvostudományi Egyetem Sebészeti Műtettani Intézete, Felsőtag Intézete és I. sz. Belklinikája.

(HEART, surg.

exper., cross-circ. technic for exsanguination of heart, regulatory & metab. eff. (Hun))

FORBATH, M.

Effects of glucagon on normal, starving and pancreas-diabetic dogs.  
Acta physiol. hung. 11(Suppl):62-63 1957.

1. Physiologisches Institut der Medizinischen Universität, Szeged.

(GLUCAGON, eff.

on blood sugar & electrolyte level in normal, starving & pancreatectomized dogs, comparison with epinephrine eff. (Ger))

(EPINEPHRINE, eff.

on blood sugar & electrolyte level in normal, starving & pancreatectomized dogs, comparison with glucagon eff. (Ger))

(BLOOD SUGAR, eff. of drugs on

epinephrine & glucagon in normal, starving & pancreatectomized dogs (Ger))

(ELECTROLYTES, in blood

eff. of epinephrine & glucagon in normal, starving & pancreatectomized dogs (Ger))

(DIABETES MELLITUS, exper.

eff. of epinephrine & glucagon on blood & electrolyte level in pancreatectomized dogs (Ger))

FONO, R.; FOHRATH, P.; ROBICSEK, F.

Congenitalis familiaris methaemoglobinaemia. Orv. hetil. 94 no.22:610-611 31 May 1953. (CIML 25:1)

1. Doctors. 2. Second Children's Clinic (Director -- Prof. Dr. Gesa Petenyi) and Clinic for Advanced Surgical Training (Director -- Prof. Dr. Imre Littmann), Budapest Medical University.

8704

FORBATH, P.

Studies on the erythrocytes in morbus caeruleus. Orv. hetil. 94 no.27:  
741-745 5 July 1953. (CML 25:1)

1. Doctor. 2. Second Children's Clinic (Director -- Prof. Dr. Geza  
Petenyi), Budapest Medical University.

PETENYI, Geza, dr.; FONO, Renee, dr.; FORBATH, Peter, dr.; TOTH, Pal

Antibiotic therapy of tuberculous meningitis. Orv hetil 95 no.19:  
505-508 My '54. (REAL 3:8)

1. A Budapesti Orvostudományi Egyetem II. sz. Gyermekklinikájának  
(igazgató: Petenyi Geza dr. egyet. tanár) közleménye.

(TUBERCULOSIS, MENINGEAL, ther.

\*streptomycin with isoniazid)

(NICOTINIC ACID ISOMERS, ther. use

\*isoniazid in meningeal tuberc., with streptomycin)

(STREPTOMYCIN, ther. use

\*tuberc., meningeal, with isoniazid)

FORRATH, Peter, dr.

Serum penicillin (oracillin) following oral administration.  
Orv. hetil. 96 no.10:261-264 6 Mar 55

1. A Budapesti Orvostudományi Egyetem II. sz Gyermekklinikajának  
(iga. Petenyi Geza dr. egyet. tanar) közleménye.

(PENICILLIN, administration,

oral, determ. of retention rate in blood)

(BLOOD,

penicillin, after oral admin.)

CA FORBATH, R.

Problems of utilizing Hungarian slags. Robert Forbat.  
*Hungary. Kohász. Lapok* 5(83), 517-21(1930). Slags of  
the iron works at Dicsőgyőr and Ózd contain SiO<sub>2</sub> 31.3,  
Al<sub>2</sub>O<sub>3</sub> 10.13, CaO 30.42, MgO 3.5-5.5, BaO 2.5-1.5, FeO  
0.3-1.5, MnO 3.0-5.5, S 2.0, and alkali metals 0.5-1.2%.  
If this slag is granulated by pouring in water, a product  
contg. water 40-60% is obtained. Cement plants can use  
up to 10% of this product. Utilization of granulated slag  
for producing foamed slag is proposed. Expts. should be  
conducted for testing its application in agriculture.  
István Fényes

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<sup>18 18</sup>  
Dry Granulation of Blast Furnace Slag. *U. Koshida.*  
(Kokusan Lepok, 1962, 7, June, 121-127; July, 151-163)  
The characteristics of blast furnace slag are examined for their applicability to cement production. The effect of the cooling rate is investigated and critical temperature limits determined. A new, full-scale dry granulation method and the necessary equipment are described and the results reported. The properties of the granulated slag, and tests factory for the production of cement.--P. 2

FORBATH, Robert

Application of infrared drying furnaces in metallurgic  
laboratories; remark about the article by Peter Pal Takacs.  
Koh lap 9 no. 12: Supplement: Ontode 5 no. 12: 281 D '54.

FORBATH, R.

What is news concerning the foundry with low shaft and manufacturing steel with oxygen? p. 152. KOHASZATI LOPAK. (Magyar Banyaszati es Kohaszati Egyesulet) Budapest Vol. 10, No. 4, Jan. 1955

SOURCE: East European Accessions List (EEAL) Library of Congress  
Vol. 5, No. 6, June 1956

12  
Some Aspects of Pig Iron Production in Low Shaft Furnaces  
and of the L.D. Steelmaking Process  
(Kobzar's Paper, 1955 10, Apr 1957 100). The author  
reviews comprehensively pig iron production in low shaft  
furnaces in Cologne and in Calbo (East Germany) and the  
L.D. steelmaking process in Danawitz and Linz (Austria),  
in Canada and in the U.S. He stresses the possibility of  
further improvement by using oxygen in low shaft furnaces  
and by the utilization of the gases arising from the process.

FORBATH, ROBERT

✓ 14944\* Problems of Sampling Specimens in the Metallurgical Plant. Mintavételi problémák a kohászati üzemekben. (Hungarian.) (Robert Forbath, *Kohászati lapok*, v. 14, no. 8, Aug. 1955, p. 357-360.)  
MC  
Discusses the training of technicians, location of trace from which sample is taken, and equipment as possible sources of error. Diagram, photograph. 7 ref.

PORBATH, R.

What kind of assistance could be given by radiology to metallurgy? p. 305  
KOHASZATI LAPOK, (Magyar Banyaszati es Kohaszati Eghesulet) Budapest, Vol 11,  
No. 7, July, 1956

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 11, Nov., 1956

KORPÁTH, B.; MOGYI, L.

Remarks on Aleksí Komor's article. p. 354 (Kohaszati Lapok. Budapest Vol. 11, no. 8, Aug. 1956 Kohaszati Lapok. Vol. 11, no. 8)

SO: Monthly List of East European Accessions (EEAL) IC., Vol. 6, no. 7, July 1957 Uncl.

FORBATH, R.

Report on the conference of pig-iron production held in September.

P. 478. (KOHASZATI LAPOK.) (Budapest, Hungary) Vol. 12, No. 10, Oct. 1957

SO: Monthly Index of East European Accession (BEAI) LC. Vol. 7, No. 5, 1958

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(EEAI 10:5)

(Radiochemistry)

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1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.



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AMS

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Forchtgott, Jiri, Transport drobných částic nebo hmyzu přes Krusné hory. (Transport of ~~part~~ microparticles or insects over Krusne Hory (Mountains). Meteorologické Zprávy, 4(1-2): 14-16, 1950. 2 figs. MH-BH The transport of foreign particles in the air is usually connected with mechanical turbulence rather than thermal turbulence. The mountain Krusne Hory with its sudden descent on the southeastern side from 800-1000m to 200m, created mechanical turbulence in case of a strong northwesterly wind. With a wind of prolonged duration, the particles and insects are deposited in the valley of the river Uhra, as shown on the attached charts. This is exactly the area where numerous and regular findings of potato beetles have been made by Engineer ŠKOCDOPOLE from the Institute for Plant Protection of the National Agricultural Research Institutes. Subject Headings: 1. Atmospheric composition. 2. Air sampling and analysis 3. Stratosphere. - C.A.P.B.

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Radio weather reports. P. 48  
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"Deformation of air currents on the subwind side of mountain crests."

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no. 3, Oct. 1959

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Feb. 1960

Uncl.

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PHASE I BOOK EXPLOITATION CZECH/5129

Meteorologie pro sportovní letce (Meteorology for Sports Flyers) Prague, Naše vojsko, 1969. 241 p. 4,000 copies printed. (Series: Knihnice aviatarmu, sv. 5)

Ed.: Karel Zelený; Assistant Editors: For Ch. 2: Mojmír Prokop, Doctor; Ch. 3: Theoretical pt.) Mojmír Prokop, Doctor, and Ivan Cernoš, Chs.: 4, 6, and 7: Oldřich Kostka, Doctor; Chs.: 5 and 15: Ludmila Řáza, Doctor; Chs.: 8 and 9: Jaroslav Kopláček, Doctor; Ch.: 10: Milan Koldovský and Jiří Horák; Chs.: 11-14: Jiří Forchtgott, Doctor; Resp. Ed.: Jiří Mik.

PURPOSE: This book is intended for sports plane and glider pilots.

COVERAGE: The book, composed to meet the needs of the aeroclubs of Svaz pro spolupráci s armádou (Union for Cooperation With the Army), discusses the principal types of weather phenomena likely to be encountered in flight. The measurement of meteorological elements is described. Meteorological phenomena of particular interest to glider pilots, viz., convection, turbulence, mountain currents, etc., are treated in some detail. Synoptic maps and weather reports are briefly described. Review questions accompany each chapter. No personalities are mentioned. There are 42 references: 7 Soviet, 21 English, 8 Czech, 4 German, and 2 Polish.

FURSHMAN, W.

"The Development of Mechanization And Automation In The Textile Industry." p. 47. (Russian List. Vol. 3, No. 3, pp. 47, 48.)

Vol. 3, No. 3  
SO: Monthly List of East European Accessions,/Library of Congress, March 1954, Uncl.

COUNTRY : RUMANIA  
 CATEGORY : Physical Chemistry. Kinetics. Combustion. Explosions. Topochemistry. Catalysis  
 ABS. JOUR. : *RZKhim.*, No 17, 1959, No. 60022  
 AUTHOR : Nicolescu, I.V., Gorden, S., Spinzi, M., Costov, T.  
 INSTITUTE :  
 TITLE : Investigation of the Dependency of Electrical Resistance on Temperature of Certain Kaolin Clays\*  
 ORIG. PUB. : *Studii si cercetari chim.*, 1958, No 2, 277-285  
 ABSTRACT : Investigation of changes in the electrical resistance of certain kaolin clays as a function of temperature (100-900°) and of the degree of dehydration (in the same temperature range). As a result of the thermal treatment conducted at 700° and 1100°, kaolinites underwent crystallographical and chemical changes. Electrical resistances of kaolinites declined considerably after exposure to temperature > 600°.  
 \*Employed as Supports in the Preparation of catalysts.

Card: 141

Distr: 4E3d/  
4E2c(j)/4E3c

7  
 3 May  
 3  
 ✓ Physical properties of solid catalysts. II. A study of the electrical conductivity of catalysts used in converting methane. I. V. Nicolescu, Maximilian Spinzi, Cristiana Focdea, and Ion Costov. *Rev. chim., Acad. rep. populare Roumaine J.*, No. 7, 105-70(1958).—No significant differences in elec. cond. of a catalyst (NiO 19, MgO 4.5, SiO<sub>2</sub> 31, Al<sub>2</sub>O<sub>3</sub> 43, and Fe<sub>2</sub>O<sub>3</sub> 0.9%) and its support (kaolin 65, Al<sub>2</sub>O<sub>3</sub> 30, and MgO 5%) are found at 240°, 320°, 480°, 560° and 640° in an atm. of O<sub>2</sub> or H<sub>2</sub> in a 4-ml. microreactor. Characteristic values for 10<sup>3</sup>.log 1/R are -8.08, -7.24, -8.08, -5.74, and -4.40 for these temps. This indicated lack of chemisorption may be due to the nature of the catalyst or too-short contact times. E. D. Witman

JK JED

ROMANIA / Physical Chemistry. Kinetics. Combustion B-9  
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 10, 1959, 34262

Author : Nicolescu I., Spinzi M., Fordea C., Costov I.

Inst : Not given

Title : Electroconductometrical Investigation of the Catalyst  
Employed in the Conversion of Methane

Orig Pub: Studii si cercetari chim., 1958, 6, No 2, 287-293

Abstract: Investigation of changes in the electro-conductivity  
of the NiO on Al<sub>2</sub>O<sub>3</sub> (containing MgO) catalyst in  
the process CH<sub>4</sub> conversion conducted in the stream  
of a mixture of CH<sub>4</sub> with H<sub>2</sub> and O<sub>2</sub> at 200 - 900°.   
It is shown that at 560-640° the carrier becomes  
semi-conductor of the n-type, and the catalyst-  
semi-conductor of the p-type.

Card 1/1

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PONIMASH, P.I., inzhener-mekhanik; FORE, N.E., kand.tekhn.nauk, dotsent.

Investigating the quality indicators in } laying mole drainage  
networks for subirrigation by means of KNU-1 and KNU-7 drainage  
machinery. Izv. TSKhA no.4:167-174 '61. (MIRA 14:9)  
(Drainage) (Agricultural machinery)